

ANALYST:		VPDES NO	
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Parameter: Total Residual Chlorine  
Method: DPD Colorimetric (HACH Pocket Colorimeter)  
 04/02

METHOD OF ANALYSIS:

<b>X</b>	MANUFACTURER'S INSTRUCTIONS (HACH METHOD 8167)
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		Y	N
1)	Are the DPD PermaChem Powder Pillows stored in a cool, dry place? [Mfr.]		
2)	Are the pillows within the manufacturer's expiration date? [Permit]		
3)	Has buffering capability of DPD pillows been checked annually? (Pillows should adjust sample pH to between 6 and 7) [Permit]		
4)	When pH adjustment is required, is H <sub>2</sub> SO <sub>4</sub> or NaOH used? [11.3.1]		
5)	Are cells clean and in good condition? [Permit]		
6)	Is the low range (0.01- <i>mg/L</i> resolution) used for samples containing residuals from 0-2.00 <i>mg/L</i> ? [Mfr.]		
7)	Is the 10- <i>mL</i> cell (2.5- <i>cm</i> diameter) used for samples from 0-2.00 <i>mg/L</i> ? [Mfr.]		
8)	Is the meter zeroed correctly by using sample as blank for the cell used? [Mfr.]		
9)	Is the instrument cap placed correctly on the meter body when the meter is zeroed and when the sample is analyzed? [Mfr.]		
10)	Is the DPD Total Chlorine PermaChem Powder Pillow mixed into the sample? [11.1]		
11)	Is the analysis made at least three minutes but not more than six minutes after PermaChem Powder Pillow addition? [11.2]		
12)	If read-out is flashing [2.20], is sample diluted correctly, then reanalyzed? [1.2 & 2.0]		
13)	When instrument was new to lab, was instrument calibration verified by analyzing a Quality Control Sample (i.e. Spec-check™, alternate source standard) prior to any data being reported? [Permit]		
14)	Is a Quality Control Sample (i.e. Spec-check™, alternate source standard) analyzed quarterly? [9.2.3]		

PROBLEMS: